RFC1006bis/ISO TP over IPv6 BOF

AGENDA

- Administrivia
  - Recruit Minute-taker
  - Purpose of BOF: Revise RFC1006 for IPv6
  - Solicit additional agenda items

- Carpenter Proposal: (CLNP & TP4)/IPv6

- Pouffary Proposal: TP2/TCP

- Other Extensions/Corrections to RFC1006

- Become Working Group? Milestones? Charter?

CLNP and TP4

IPv6

CLNP in IPv6

- Packet Format Details
  - Payload will be CLNP* Datagram
    *(ESIS, ISIS, IDRP also OK)
  - Final "Next Header" value = 80

- When second phys link gets past
  LCP and Auth, must use MP headers
  and assign next fragment number to new link.

TP4 in IPv6

- Packet Format:
  - Payload is TP PDU
  - Final ‘‘Next Header’’ value = 29

- Protocol Classes
  - Only TP4 and CLTP

- MTU Considerations:
  - If possible, use MTU discovery size to derive ‘‘Preferred PDU Size’’; else use 512.
  - If system gets ICMP ‘‘too big’’ message, can’t repacketize, must use IPv6 fragmentation.

- No PDU Lifetime in IPv6
  - Protect accordingly.